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Claims

- A barrier coating composition characterized in that it comprises a
 polymeric material and at least one inorganic flake material.
 - 2. A barrier coating composition as claimed in claim 1, characterized in that the polymeric material is present in an amount of 50 to 99 % by weight.
 - A barrier coating composition as claimed in claim 1 or 2, characterized in that the inorganic flake material is present in an amount of 1 to 50 % by weight.
- 4. A barrier coating composition as claimed in at least one of the preceding claims, characterized in that the particle thickness of the inorganic flake material is preferably less than 1.0 μm.
- A barrier coating composition as claimed in at least one of the
 preceding claims, characterized in that the average particle size of the inorganic flake material is in the range of 1 to 1000 μm.
- 6. A barrier coating composition as claimed in at least one of the preceding claims, characterized in that the inorganic flake material are glass flakes.
 - 7. The use of a barrier coating composition as claimed in at least one of the preceding claims in a barrier coating layer of Organic Field effect transistors, Liquid crystal displays, OLED displays, flexible displays, displays of TV screens, photovoltaic cells and lithium batteries.
 - 8. A device comprising at least one barrier coating layer, characterized in that the at least one barrier coating layer comprises a barrier coating composition as claimed in at least one of claims 1 to 6.

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- A display comprising at least one barrier coating layer, characterized in that the at least one barrier coating layer comprises a barrier coating composition as claimed in at least one of claims 1 to 6.
- 5 10. A barrier coating formulation comprising
 - a) a polymeric material and/or a polymerizable material,
 - b) at least one inorganic flake material and
 - c) at least one organic solvent.

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